

Temperature Variation and Temperature Stresses in
Plate and Shell-shaped Bodies, by K. Marguerre,
23 pp.

GERMAN, per, Ingenieur- Archiv, Vol VIII, 1937,
(NP-2419)

S.L.A. Tr No 387/1955

Sci - Engineering
Jan 1957 CTS/dex

45, 010

Contribution to the Theory of the Spherical
Shell on Individual Supports, by A. Aas
Jakobsen.

GERMAN, per, Ingenieur Archiv, Vol VIII,
1937, pp 275-294.

OSIRO

Sci - Engr
May 62

198,483

Natural Vibrations of the Conical Shell, by
K. Federhofer.

GERMAN, per, Ingenieur-Archiv, Vol IX, 1938,
pp 288-308.

NASA TT F-8861

Sci - Math
Jan 63
US GOV'T USE ONLY

219,235

Flow Behind a Single Roughness Element, by W.
Jacobs.

GERMAN, per. Ing. Arch., Vol 9, 1938, pp 343-
355.

P911337167

AEC ORNL-TR-1639

Sci-Mat

Nov 67

343.649

A New Method for Solving Technical
Eigenvalue Problems, by R. Grammel, 17 pp.
GERMAN, per, Ingenieur-Archiv, Vol X,
1939, pp 35-46.
*Dept of Navy/DTMB T-335

Sci - Math Sci
Oct 66

Approximate Calculation of Characteristic Numbers,
by M. Mayer zur Capellen

GERMAN, paper, Ing Archiv, Vol X, No 3, Jun 1939,
pp 167-174.

TPA3/TIB T.986

Scientific - Mathematics CTS/DEX

5504

Formation of a Vortex at the Edge of a Plate,
by Leo Anton, 36 pp.

GERMAN, per, Ingenieur-Archiv, Vol X, 1939,
pp 411-427.

NACA TM 1398

Sci - Engineering

34,107

May 1956

J. G. von Edler

GERMAN, Ingenieur-Archiv, Vol 11, 1940, pp 295-314
**NASA TT F 14,653*

jan 73

An Elementary Theory ~~ON~~ On Fatigue Strength, ~~BY~~
By Th. Poschl, 9 pp.

GERMAN, per, Ingenieur-Archiv, Vol XII, No 2,
1941, pp 71-76.

SLA 61-18756

Sci
Mar 62
Vol VII, No 3

189, 676

Indefinite Integrals Containing Products of
Cylindrical Functions, by R. Straubel

GERMAN, per, Ing Archiv, Vol XIII, No 1, Feb
1942, pp 14-20.

TPA3/TIB T.2040

Scientific - Mathematics CTS/DMX

5514

The Accuracy of Various Methods of Integration of
Ordinary Differential Equations of the First and
Second Orders, by L. Collatz, R. Zersuhl

GERMAN, per, Ing Archiv, Vol XIII, No 1, Feb 1942,
pp 34-36.

TPA3/TIB T.2043

Scientific - Mathematics CTS/DEK

5508

One-Dimensional Unsteady Flow, by R. Sauer,
26 pp Gas

GERMAN, per, Ingenieur Archiv, Vol VIII, No 2, Apr
1942, pp 79-89.

AMC Tr

Brown Univ Tr A9-T-2

for AMC under contract

Also Available @ TPA3/TIB T.2021

Scientific - Aeronautics

CTS/DEX

5061

R-568-N

The Process of Ritz & Trefftz in the Reissner Theory
(die Verfahren von Ritz und Trefftz in der
Reissnerschen Plattentheorie), by D. Rudiger,

GERMAN, per, Ingenieur-Archiv, Vol XIII, No 4, 1942?,
pp 257-263.

*JPRS for Army Rocket & Guided
Missile Agency

Sci

31 May 61

Non-Steady, Spherically-Symmetrical Gas Motion
and Non-Steady Gas Flow in Nozzles and
Diffusers, by F. Schultz-Grunow

GERMAN, per, Ing Archiv, Vol XIV, No 1, 1943,
pp 21-29.

TPA3/TID T.2071

Scientific - Engineering
GHS/DEK

5869

The Infinite, Elastically Supported Beam Under
the Influence of a Uniformly Moving Load, by
J. Doerr. 45 pp.
GERMAN, per, Ing. -Arch., Vol 14, 1943,
pp 167-192.
NASA TT-F-13569

Aug 71

Integrating the Reynolds Equation for Spindle
Bearing of Finite Width, by G. Vogelpohl.

GERMAN, par, Ingen Archiv, Vol XIV, 1943, pp
192-212.

T.I.L. T. 4578.

Sci - Engineering, *Mathematics*

Jun 1956

35,732

Contribution to the Calculation of Hyperbolic
Paraboloid Shells, by K. G. Tester.

GERMAN, par, Ingenieur-Archiv, Vol XVI,
1947, pp 39-44.

CSIRO

Sci - Engr
Aug 62

211, 244

TT-65-12236

Field 13M

Ohlig, R.
CONCENTRATED LOADING ON RECTANGULAR SLABS
SUPPORTED ON TWO AND FOUR SIDES. 33p, 24refs.
Order from SLA: \$3.60 as TT-65-12236

Trans. of ~~Ingenieur-Archiv~~ (West Germany) v16 p51-71
1947.

I. Ohlig, R.

MR 628

Buckling Problems in the Anisotropic Rectangular
Plate, by A. Pfluger.

FOR OFFICIAL USE ONLY FOR INTERNAL USE WITHIN
THE DEPARTMENT OF DEFENSE ONLY

GERMAN, per, IngenieurArchiv, Vol 16, 1947,
pp 111-120. P100376567

PTD-MT-23-630-67

Handy NIE D. 2571 P50008568-V und class
21pp

Sci-Mech

Jan 68

548,827

Instrument for Measuring the Wall Shearing Stresses
of Turbulent Boundary Layers, by H. Ludweig

GERMAN, per, Ingen-Archiv, No 3, Vol XVII, 1949.

S.L.A. Tr Pool

Scientific - Aeronautics

CIS/DEX

Also Aero Res Council 12,991

FM.1421

P 21689T

14 2418

Statics of the Pneumatic Tyre, by J. Rotta.

GERMAN, per, Ingenieur Archiv, Vol XVII, 1949,
pp 129-141.

D.S.I.R./27726

Sci - Engineering
Apr 57 CIB/lex

46,833

Investigations of the Wall Shearing
Stress in Turbulent Friction layers, by
H. Ludwig, W. Tillmann.

GERMAN, per, Ingenieur Archiv, Vol XVII,
No 4, 1949, pp 288-299.

AERE, Harwell
Tr-1677

Sci - Engr
Sep 62

Mettler, E.
GENERAL THEORY OF THE STABILITY OF
FORCED OSCILLATIONS OF ELASTIC BODIES
(Allgemeine Theorie der Stabilität Erzwungener
Schwingungen Elastischer Körper). [1962] 75p.
17 refs.

Order from SLA \$7.60

62-18058

Trans. of Ingenieur-Archiv (Germany) 1949, v. 17,
p. 418-449.

DESCRIPTORS: *Elasticity, Theory, *Oscillation,
Stability, Equations of motion, Integration, Series.

The stability of elastic motion is analyzed by intro-
ducing into the variational equation a Ritz expression
with time-dependent coefficients and then setting up
the Euler differential equations for the coefficients.

(Mechanics, 17, v. 3, no. 8)

62-18058

I. Mettler, E.

Office of Technical Services

A Non-Linear Law of Elasticity, by H. Kauderer,
GERMAN, per, Ing Arch, Vol XVII, 1949, pp 450-
480.

CISRO-2982

Sci

Aug 58

71,043

Velocity Distribution in Turbulent Flow in
Proximity to Walls, by J. Rotte.

GERMAN, per, Ingen. Arch, Vol XVIII, 1950,
pp 277-280.

Hydromechanics Research Assoc
T 406 Ot/1217

EEur - Germany
Sci - Engineering

29,401

Air Adventure to Exhaust Jets, by E. Senger

GERMAN, DFL, Ingen Arch, Vol XVIII, No 5, 1950,
pp 310-323.

NACA Tr 1357

Scientific - Aeronautics
CTB/DII

8178

Theoretical Calculation of Flow Losses in a
Plane Blade Lattice, by H. Schlichting, N.
Schlon.

GERMAN, per, Ingen-Archiv, Vol XIX, No 1,
1951, pp 42-65.

T.I.L. T.4539

35,706

Sci - Engineering, Physics

Jun 1956

Melkus, H.
ON THE SEPARATED V-STOSS. [1962] [37]p. (refs.
omitted).
Order from SLA \$3.60

62-18393

Trans. of [Ingenieur-Archiv] (Germany) 1951, v. 19,
p. 208-227.

DESCRIPTORS: Supersonics, *Supersonic flow, *Aero-
dynamic configurations, Boundary layer transition,
*Shock waves, Compressive properties, Separation,
Velocity, Distribution, Compressible flow.

(Mechanics--Aerodynamics, TT, v. 9, no. 10)

62-18393

1. Title: Stoss
1. Melkus, H.

Office of Technical Services

Turbulent Flow in Convergent Channles, by W.
Szablewski, 18 pp.

GERMAN, per, Ingenieur-Archiv, Vol XX, No 1, 1952,
pp 37-45.

NACA N-14408

Sci - Engineering

Aug 1956

37/06

TT-63-16647

L. Melan, E.

Melan, E.
THERMAL STRESSES IN A SHEET CAUSED BY A
MOVING HEAT SOURCE (Wärmespannungen in einer
Scheibe infolge einer Wandernden Wärmequelle). [1963]
6p 4refs

Order from SLA \$1.10 TT-63-16647

Trans. of Ingenieur-Archiv (Germany) 1952, v. 20,
p. 46-48.

Another trans. is available from SLA as TT-58-927

DESCRIPTORS: Thermal stresses, Sheets, Steel, Heat;
Partial differential equations, Numerical analysis.

(Physics--Thermodynamics, TT, v. 11, no. 10)

Office of Technical Services

Szablewski, W.
THEORY OF TURBULENT FLOW OF GASES WITH
EXTREMELY VARIABLE DENSITY (Zur Theorie der
Turbulenten Strömung von Gasen Stark Veränderlicher
Dichte) tr. by Hugo Gabriel. [1962] [15]p. (foreign
text included) 8 refs.
Order from SLA \$1.60

62-16111

Trans. of Ingenieur-Archiv (Germany) 1952, v. 20,
no. 2, p. 67-72.

DESCRIPTORS: *Gases, Gas flow, Turbulence, *Tur-
bulent flow, Density, Jet mixing flow, Statistical proc-
esses, Partial differential equations, Theory.

The statistical approach after O. Reynolds is general-
ized to apply also to fields with extremely variable
density. On the basis of Prandtl's concept of the mix-
ing path a system of equation is then established for
the computation of the mixing processes. (Author)
(Physics, TT, v. 8, no. 5)

62-16111

1. Szablewski, W.

Office of Technical Services

Szablewski, W.
TURBULENT MIXING BETWEEN PLANE AIR-JETS
WITH NEARLY EQUAL VELOCITIES AND LARGE
DIFFERENCES IN TEMPERATURE (Turbulente Ver-
mischung Zweier Ebener Luftstrahle von Fast Gleicher
Geschwindigkeit und Stark Unterschiedlicher Tempera-
tur). [1962] [22]p. (foreign text included).
Order from SLA \$2.60

62-16165

Trans. of Ingenieur-Archiv (Germany) 1952, v. 20
[no. 2] p. 73-80.

DESCRIPTORS: Gases, *Gas flow, Jets, *Jet mixing
flow, Turbulence, *Turbulent flow, Velocity, Tempera-
ture.

The fields of velocity and temperature which are cre-
ated by turbulent mixing between plane air-jets with
nearly equal velocities and a large temperature dif-
(Physics, TT. v. 8, no. 5)

(over)

62-16165

1. Szablewski, W.

mu/T - 493

Office of Technical Services

The Influence of the Shape of the Cross-Section on the
Behaviour of Bourdon Springs, by W. Wuest.

GERMAN, per, Ingenieur-Archiv, Vol 20, 1952, pp 116-
125.

NTC-71-10421-20K

Nov 71

TT-64-10014

Grammel, G.
THE STABILITY OF FORCED VIBRATIONS IN AN
ELASTIC BODY WITH VELOCITY PROPORTIONAL
DAMPING (Zur Stabilität Erzwungener Schwingungen
Elastischer Körper mit Geschwindigkeitsproportionaler
Dämpfung). [1963] [23p] 6refs
Order from SLA \$2.60

TT-64-10014

Partial trans. (p. 170-179) of Ingenieur-Archiv
(West Germany) 1952 [v. 20] no. 3 [p. 170-183].

DESCRIPTORS: *Vibration, *Stability, Elasticity,
Damping, Equations of motion, Partial differential
equations, Calculus of variations.

(Mechanics, TT, v. 11, no. 3)

I. Gramme, G.

Office of Technical Services

A Method of Quadrature for Calculation of the Laminar and Turbulent Boundary Layer in Case of Plane and Rotationally Symmetrical Flow, by E. Truckenbrodt, 40 pp.

GERMAN, per, Ingenieur-Archiv, Vol XX, No 4, 1952, p 16-228.

NACA TM 1379

Sci - Aeronautics

Sci - Aeronautics

25,808

I. A Few Remarks on the Sealing of Rotating and
Reciprocating Machine Parts, by E. F. Boon, 40 pp.

GERMAN, per, Ingenieur, Vol LXIV, No 12, 1952,
pp 33-40. 9092516

ABC Tr-5109

Sci - Engr
Jul 62
List 60

204, 720

Approximate Computation and Stability Behavior
of Laminar Boundary Layers With Suction Through
Single Slots, by W. Wuest, 32 pp.

GERMAN, per, Ingenieur Archiv, Vol XXI, 1953,
p 20.

Sci - Aeronautics
Apr 1957

SIA Tr 1763

46,264

June 1957

Coefficient Conditions for Control of the Degree
of Damping in Processes of Adjustment (Generalized
Hurwitz Conditions), by O. Schmutz, 19 pp.

GERMAN, per, Ing Arch, Vol XXI, 1953, p 33.

SLA 3134

May 58

63,176

Determination of the Lines of Equal
Principal-Stress Sums Through Interferences
of Uniform Thickness, by A. Dose,
R. Landwehr.
GERMAN, per, Ingenieur-Archiv, Vol XXI,
No 2, 1953, pp 73-86. 9697325
DDC RSIC 386

Sci-M/N
Nov 65

292,2877

Approximate Computation and Stability Behavior of
Laminar Boundary Layers With ~~SIX~~ Suction Through
Single Slots, by W. Wuest, 32 pp.

GERMAN, per, Ing Arch, Vol XXI, No 2, 1953, pp 90-.

SLA Tr 3095

Sci

Aug 58

68,637

Laminar Flow About a Rotating Body of Revolution
in an Axial Airstream, by H. Schlichting, 43 pp.

GERMAN, per, Ingenieur-Archiv, Vol XXI, No 4,
1953, pp 227-244.

NACA TM 1415

Sci - Engineering

34,102

May 1956

Directional Stability of Towed Airframes, by W.

Ernst Söhre.

GERMAN, per, Ingenieur-Archiv, Vol. XXI, No 4, 1953,
pp 245-265.

NACA TM 1401

Scientific - Aeronautics

Feb 56

31,041

The Bending of Single Loads of Plates With
Rectangular Areas of Application, by S.
Weinowsky-Krieger.

GERMAN, per, Ingen-Arch, Vol XXI, No 5/6, 1953,
pp 331-338.

T.I.L. T.4497 35,693

Sci - Engineering, Physics-

Jun 1956

Modern Galvanometers, by W. J. Reichert, 9 pp.

GERMAN, per, Ingenieur Archiv, No 5, 1953, pp E20-E23.

SLA Tr 57-787

Sci - Electronics

53,104

Sep 57

Potential Flow Through Radial Cascades, by W. H.
Isay. UNCLASSIFIED

GERMAN, per, Ingenieur-Archiv, Vol XXII, 1954,
pp 203-210.

Navy 2532/BuShips 671

Sci - ~~Mechanics~~ Engr
Jun 60

118,703

Contribution to the Problem of Thermal Stresses
in Disks, by E. Tremmel, 28 p.

GERMAN, per, Ing-Archiv, 1955, Vol XXXI, No 3,

SLA 59-20146

Sci

Mar 60

Vol 2, No 12

109,272

Annular Rings With Local Deformation Under
Supercritical External Pressure, by H. Link,
24 pp.

GERMAN, per, Ingenieur-Archiv, Vol XXIII,
1955, pp 36-50. 9068230

AEC IG-INF-SER-845

Sci - Engr
Dec 62

217,482

Ideally Plastic Isotropic and Orthotropic Plates
With Full Utilization of All Elements, by H.
Cremer. UNCLASSIFIED

GERMAN, per, Ingen Arch, Vol XXIII, No 3, 1955,
pp 151-158.

DSIR/32188/CT

Sci - Engr
Oct 58

75, 283

Asymptotic Suction Boundary Layers
For Cylindrical Bodies in Longitudinal
Flow, by W. Wuest. GOVERNMENT USE ONLY
GERMAN, per, Ingenieur Archiv, Vol XXIII,
1955, pp 198-208. P200072167
RSIC-626

Sci-Phys
Mar 67

320,493

On The Treatment of the Flow Through a Voith-Schneider
Propeller Having a Small Advance Coefficient, by
W. H. Isay. UNCLASSIFIED

GERMAN, per, ~~Ingenieur~~ ~~Archiv~~, Vol XXIII, No 6,
1955, pp 379-401.

* Navy 2447/BuShips 655C

Sci - Physics
Mar 60

HEINRICH, G.

INSDOC-T1802. Hydromechanical bases for the working of stationary and instationary subterranean currents. Ing. Arch., 24, p.81-84, 1956.

Theory of High-Pressure Tabular Springs, by
E. Huest. USCI

GERMAN, per, Ingenieur Archiv, Vol XXIV, 1956,
pp 92-110.

British Iron and Steel Ind
(no number given)

Sci - Engr
Sep 59

98,434

Calculation of the Flow Through Voith-Schneider
Propellers, by W. H. Isay. UNCLASSIFIED

GERMAN, per, Ingenieur-Archiv, Vol XXIV, 1956,
pp 148-170.

Navy 2534/BuShips 672

Sci - Engr
Jun 60

118,705

100 - 0000 1-1-5 1-1-5

English title: unk

Fay, A.K.

German: Ingenieur-Archiv (Vergleichsarchiv)
vol 24, 1956, pgs. 171-181

Rotta, J.
EXPERIMENTAL CONTRIBUTION TO THE PERFORM-
ANCE OF TURBULENT FLOW IN A TUBE. [1963]
[49]p. 13 refs.
Order from SLA \$4.60

63-14484

Trans. of Ingenieur-Archiv (West Germany) 1956,
v. 24, no. 4, p. 258-281.

DESCRIPTORS: *Turbulence, *Pipes, *Fluid flow,
Pressure, Velocity, *Reynolds number, Boundary layer
transition, Test equipment, Tests.

(Mechanics--Hydraulics, TT, v. 10, no. 3)

63-14484

I. Rotta, J.

Office of Technical Services

Thermodynamics and Rheological Problems, by
H. Ziegler, 28 pp.

~~XXXXXXXXXXXX~~

GERMAN, par, Ingenieur-Archiv,
Vol XXV, No 1, 1957, pp ~~XXXXX~~ 58-~~60~~70.

SLA 60-18392

Sci
Vol IV, No 11
May 62

197, 942

On the Velocity Distribution in Vortices,
by A. Timme.

GOVERNMENT USE ONLY

GERMAN, per, Ingenieur-Archiv, Vol 25,
1957, pp 205-225.

Dept of Navy/NRL Tr 1174

Sci-Elec
Aug 69

388,715

Limits of Wing Lift, by H. B. Helmbold. 13 pp.
GOVERNMENT USE ONLY
GERMAN, per, Ing. Archiv. Vol 25, 1957, pp 273-277.
NASA TT F 13247

sci/aeron
jan 71

Nonlinear Vibrations With Two Degrees of Freedom,
by C. Schnieder. UNCL

GERMAN, per, Ing Arch, Vol XXV, 1957, pp 292-304;
XXVI, 1958, pp 110-128.

RAE 863

Sci - Engr
Jun 60

117,593

The Voith-Schneider Propeller in the Wake of a
Ship's Hull. UNCLASSIFIED

GERMAN, per, Ingenieur-Archiv, Vol XXV, 1957,
pp 303-318.

Navy 2535/BuShips 673

Sci - Engr
Jun 60

118,706

The Distribution of Stress in the Skin of a
Spherical Container With Tangential Stressing
by Means of Equidistant Supports in any
Parallel According to the ~~MEM~~ Diaphragm
Theory, by P. J. Mainzer.

GERMAN, per, Ingenieur Archiv, Vol XXIV,
1958, pp 81-92.

CSIRO

201, 601

Sci - Phys
Jul 62

Conclusionsof the Theory of the Voith-Schneider
Propeller, by W. H. Isay. UNCLASSIFIED

GERMAN, per, Ingenieur-Archiv, Vol XXVI, 1958,
pp 220-232.

Navy 2547/BuShips 686

118, 716

Sci - Engr
Jun 60

Contribution to the Calculation of Kaplan Turbines,
by J. Raabe.

GERMAN, per, Ingenieur-Archiv, Vol XXVII, No 1, 1959,
pp 1-32.

GB/85/1007612

Sci
Jan 63

Effect of Small Disturbances on Steering
Stability of Motor Vehicles Equipped With
Pneumatic Tires, by G. Mittenlehner, 53 pp.

GERMAN, per, Ingenieur-Archiv, Vol. XXVII,
No 2, 1959, pp 88-103.

SLA 60-14517

Sci
Aug 63.

OTS, Vol III, No 12

163,225

On the Theory of Rolling Friction, by H. von
Bufler, 50 pp.

GERMAN, per, Ingenieur-Archiv, Vol XXVII, No 3,
1959, pp 137-152.

SIA 60-14066

Sci

OTS, Vol III, No 8

Apr 61

145, 155

Theoretical and Experimental Investigations
of High Deflections on Cascades in Tandem,
by Hideo Ohashi.
GERMAN, per, Ingenieur-Archiv, Vol XXVII,
1959, pp 201-226. 0232-02
AEC-K-Tr-14

Sci - Elec
Mar 66

298,528

61-16126

Falk, S.
CLASSIFICATION OF DAMPED VIBRATION SYSTEMS
AND DELIMITATION OF THEIR EIGENFUNCTIONS
(Klassifikation Gedämpfter Schwingungssysteme und
Eingrenzung ihrer Eigenwerte). [1961] [28]p. (foreign
text included) 3 refs.
Order from SLA \$2.60

61-16126

Trans. of Ingenieur-Archiv (Germany) 1960, v. 29
[no. 6] p. 436-444.

DESCRIPTORS: *Vibrators, Classification, Damping,
Mathematical analysis, Functions.

L. Falk, S.

180442

Office of Technical Services

(Engineering--Electrical, TT, v. 6, no. 5)

Fundamental Equations for Bond in Rectangular Steel
Reinforced Concrete Slabs, by H. Trostel.

GERMAN, per, ~~Ingenieur~~ Ingenieur Archiv, Vol XXX,
No 1, 1961, pp 1-23.

UKAEA/Risley-Tr-297
Available on LOAN ONLY

Sci - M & M

Jun 63

235,050

Effect of Flow on Wave Drag of Ships, by
F. Kolberg
GERMAN, per, Ingenieur-Archiv, Vol 30,
1961, pp 123-140
NTC 71-15279-13J

mar 72

Reidelbach, W.

THE STATE OF STRESS IN THE VICINITY OF THE
INTERSECTION OF TWO PERPENDICULARLY
JOINED CIRCULAR CYLINDRICAL SHELLS (Der
Spannungszustand im Übergangsgebiet einer Rechtwink-
ligen Rohrabzweigung) tr. by D. A. Sinclair. 1962,
38p. 4 refs. NRCC Technical Trans. 1034.
Order from NRCC \$2.00 NRCC C-4043

Trans. of Ingenieur-Archiv (Germany) 1961, v. 30,
no. 5, p. 293-316.

DESCRIPTORS: *Cylindrical bodies, Shear stresses,
Stresses, Joints, Deflection, Elasticity, Theory,
*Pipes, Pressure, Distortion, Numerical analysis,
Differential equations, Structural shells

(Mechanics, TT, v. 8, no. 7)

62-22291

- I. Reidelbach, W.
- II. NRCC TT-1034
- III. NRCC C-4043
- IV. National Research Council
of Canada

CIA/FDDX-6103

Office of Technical Services

The Influence of the Shape of the Cross-Section on
the Behavior of Bourdon Springs, by W. Wuest.

GERMAN, per, Ingenieur-Archiv, Vol 20, 1962,
pp 116-125.

MIT Lincoln Laboratory

Available IFTC

Oct 70

R-6648-D
15 Feb 66

Eine (unfeste) Abschätzung für Grenaschichten

By: K. Bickel

From: INSTRUKTION-ARCHIV V. 31, 1962 pp 87-100 (14 pp)

German - cut for wia:

Type 1 original and 1 carbon copy. Document may be cut.

66-22a

R-6625-D
15 Feb 66

Laminare Grenzschichten bei Anströmen eines ebenen
Mediums (Elastostoffgrenzschichten)

By: W. Must

From: INGENIEUR-ARCHIV V. 31, 1952: pp125-143 (19 pp)

German - est for wds:

Type 1. original and 1 carbon copy. Document may be cut.

The Statistical Fundamentals of Irreversible
Thermodynamics, by Hans Ziegler, 53 pp.
GERMAN, per, Ingenieur Archiv, Vol XXXI,
No 5, 1962, pp 317-342. 9692915
DDC RSIC -187

OTS-77-64-11810

Sci-Engr
July 64

263,150

INGENIEUR-ARCHIV

1965 V32 P113-124

70-10473-13F <0>

ORDER FROM NTC

66-220

R-6626-D
15 Feb 66

Ein Heberungsverfahren zur Berechnung der Kompressiblen
Isolierten Grenzschicht mit kontinuierlich verteilter
Abkühlung

By: W. Pechan

From: INGENIEUR-ARCHIV V 32, 1963: pp157-186 (30 pp)

German - not for use:

Type 1 original and 1 carbon copy. Document may be cut.

A Simple Method for the Analysis of Damping
Vibrations, Based on the Deterioration Technique,
by H. Gurnahl.
GERMAN, par, Ingenieur-Archiv, Vol XXII, 1963,
pp 201-213.
NASA TT F-9335

Sci-Engr

Jun 65

U.S. GOVERNMENT ONLY

202,598

R-6540-D
24 Jan 66

Praktische Berechnung laminarer und turbulenter
Abström-Grenzschichten
By: Von R. Hupler
From: Ingenieur-Archiv V. 32 1963, pp 221-245 (25pp)

German - sent for info:

Type 1 original and 1 carbon copy. Document may be
cut for paste-up.

M. J. Hupler - Gullersen
66-19/B

66-22c

R-6627-D

15 Feb 66

Einschließungs- und Variationsweise für quasistatische
inkompressible, sahe Strömungen

By: H. Lippman

From: INGENIEUR-ARCHIV V. 32, 1953: pp 347-359 (13 pp)

German - est for wds:

Type 1 original and 1 carbon copy. Document may be cut.

Stress in Plain and Ring-Reinforced Stub
Tubes in Spherical Pressure Vessels, by W.
Reidelbach.
GERMAN, per, Ingenieur-Archiv, Vol 32, No 6,
pp 414-429.
(TMS 1316)
CSCS 4085

314,390

Sci - Mechanical, Industrial
Civil, and Marine Engineering
Nov 66

On the Stability of Free Boundary
Layers, by A. Michalke, 43 pp.
GERMAN, per, Ingenieur-Archiv, Vol
33, 1963, pp 1-23
AIR/FTD-HT-23-1516-71

Give Copyright

Feb 72

W. Schoenauer

A differential method for solving the boundary layer equation for steady laminar incompressible flow. 36 pp.

GERMAN, Ing.-Arch. Vol 33, 1964, pp 173-189
NASA TT F 14,363

oct 72

Improved Theory Of Elastic Plated, by V. Panc.
GERMAN, per, Ing. - Arch., Vol 33, No 6, 1964,
pp 351-371.
GB 201/R/65/2407

Sci -
Sep 67

340,041

R-6539-D
24 Jan 66

Halbempirische Gesetze zur Berechnung turbulenter
Grenzschichten nach der Methode der Integralbedingungen

By: H. Fernholz

From: Ingenieur-Archiv V. 33, 1964 pp 384-394 (11 pp)

German - ext for wds:

Type 1 original and 1 carbon copy.

Document may be ext for paste-up.

Stability Conditions for Vibrators with Random
Parameter Excitations, by F. Weidenhammer,
25 pp. GOVERNMENT USE ONLY
GERMAN, per, Ingenieur Archiv, No 33, 1964,
pp 404-415. P200127568-V
*RSIC-810

EE
Sci/Math
July 68

360,649

mar 72

*H. Kaden**English title unknown, by H. Kaden**GERMAN, per, Ingenieur-Archiv Gesellschaft fuer Angewandte
Mathematik und Mechanik, Vol 2, 1931, pp 140-168.**NASA TT F 14,230**mar 72*

Vehicle Operation on all Kinds of Soil, by
T. Nouviaire.

FRENCH, per, Ing de L'Auto, Vol 36, No 11,
1963, pp 30-615 - 630
GB/47

Sci -
Jul 67

335,020

Application of New Nickel-Chromium Coatings in
Motor-Car Bodywork, by L. Ades.
FRENCH, per, Ingenieurs de L'Auto, Vol 37, No 12,
1964, pp 20-611-620
GB 47

Sci -
Jul 67

334,119

Determination of Traces of Arsenic in Copper.
Detection of Selenium and Tellurium, by Ch. -M.
Dozinel, 6 pp.

BELGIUM, Per, Ing Chim 1956, Vol XXVIII, pp 35-40.

SLA 59-10657

Sci
Oct 59
Vol 2, No 3

99,872

Noise Problems in Fans, Transformers and
Electric Motors, by M. J. Mattel.
GERMAN, per, Ingenieur Digest, Vol III, No 1,
1964, pp 46-48.
BISI 3748

Sci - Electron
Aug 64

~~265,425~~
265,425

The Precious-Metal, High-Speed Relay and its
Application in Telephone Extension Station Engineer-
ing, by H. Vogel, 12 pp.

GERMAN, per, der Ingenieur der Deutschen Bundespost,
Vol I, No 1, 1958, pp 11-17.

ATS 51K286

ATS/391-GJ 119,155

Sci
Jan 60
Vol III, No 5

High Pressure Mercury Vapour Discharges, by
W. Blenkins, 17 pp. UNCL

CHENNAI, per, De Ingenieur ^{e.)} and Electrotechnik,
Vol. L, 1935, pp 83-90. CIA 9037937

ACBIL 992

Sci - Phys
Apr 59

84,793

INGENIUM. GHAYENHAGE	
1939 V54 N4 PP1-P4	70-22802 (*)
1939 V54 N4 PP4-P10	70-22803 (*)
1939 V54 N21 PP16-P24	70-22836 (*)
1939 V54 N25 P24	70-22804 (*)
1939 V54 N35 PV57-V64	70-22695 (*)
1961 V73 N48 PM23-M31	70-21159 (*)

ORDER FROM NTC

Energy Absorption in High-Velocity Currents, by
Enzo Levi and Guillermo, Gonzalez E.
SPANISH, rpt, Ingenieria Hidraulica en Mexico,
25-31 July 1957, pp 1-8.
CIA X-6457

Jan 68

347,600

Electronic Methods of Rapid, Non-Destructive
Testing of Metals, by G. H. Dion, R. Usquelis.

GERMAN, per, Ingen et Tech, Vol ~~LXXIII~~, Dec 1955,
CIA 9004655 No 63

TIL. No 4756

Sci - Electronics

48, 483

SLA 57-17B

Reppe, W. THE CHEMISTRY AND TECHNIQUE OF ACETYLENE PRESSURE REACTIONS. 22 Sep 51, 20p. (figs. omitted). Order from SLA \$1.60 Trans. of Ingeniörsvetenskapsakademien. [Meddelande] (Sweden) 1950, no. 124, p. 53ff. DESCRIPTORS: *Acetylenes, Pressure, Decomposition, Chemical industry, Industrial production. (Engineering--Chemical, TT, v. 9, no. 8)	62-20474 I. Reppe, W. Office of Technical Services
---	---

The Munkholm Bridge, by Dr. Anker Engelund, 1 p.
UNCLASSIFIED

DANISH, per, Ingeniøren, No 30, 26 Jul 1952,
pp 474-477, Encl 1 to R 447-54, CARMA, Denmark.

G-2, GSUSA G-4415

NoSur - Denmark

Economic

Scientific - Engineering

May 55 CTS/DEX

24,021

Dam at Mabubas, Angola, by H. LEnborg-Madsen,
F. F. Ferraz, 11 pp. UNCLASSIFIED

DANISH, per, Ingenioren (Engineer), Vol LXIII,
No 8, 20 Feb 1954.

G-2, GSUSA G-2719

Scientific - Engineering

Jun 54 CTS

15.584

Influence of Domestic Hot Water Consumption
on the Maximum Heat Output of a Boiler
Installation With Special Reference to
Well-Insulated, Single-Family Houses, by
H. Sven.

GERMAN, per, Ingeniren, Vol XIV, 1957,
pp 663-665.

GB/62

225, 265

Sci-Engr
Mar 63